

Blind Duplicate Analysis					
Core Laboratory assays	Sample Type	R	CV	N (pairs)	CV reported by the lab
2-hour glucose		0.988	1.5%	149	0.8-0.96%
Albumin		0.877	2.0%	153	1.58-2.10%
Alkaline phosphatase		0.980	2.3%	153	1.72-2.20%
Cholesterol (year 1)		0.985	1.5%	153	1.52-1.69%
Cholesterol (year 2)		0.943	2.3%	128	1.52-1.69%
Cholesterol (combined)		0.969	1.8%	282	1.52-1.69%
Creatinine		0.951	1.5%	153	1.06-2.41%
CRP	Serum	0.984	8.0%	151	5.14%*
Fasting insulin		0.991	4.4%	138	4.8-6.9%
Free T-4		0.866	5.2%	5	7.4-8.5%
Glucose (fasting Year 1)		0.992	1.2%	153	0.8-0.96%
Glucose (fasting Year 2)		0.987	1.2%	129	0.8-0.96%
Glucose (fasting combined)		0.990	1.2%	282	0.8-0.96%
HDL		0.977	2.3%	153	5.66-6.21%
Hemoglobin A1c		0.954	1.4%	151	2.0-3.0%
IL-2sr (subset of ppts only)	Serum	N/A†	N/A†	N/A	4.99-6.67%
IL-6	Serum	0.919	10.3%	147	13.09-18.08%
IL-6sr (subset of ppts only)	Serum	N/A†	N/A†	N/A	7.79-8.37%
LDL (calculation)		0.989	2.4%	149	N/A
leptin	Serum	0.893	14.6%	142	17.3-30.5%**
oLDL		0.787	15.4%	152	15.4%
PAI-1	Citrated plasma	0.981	8.4%	153	3.47%*
TNF- $\alpha$	Citrated plasma	0.678	15.8%	137	14.75-14.87%
TNF-R1 (subset of ppts only)	Serum	N/A†	N/A†	N/A	3.47-5.20%
TNF-R2 (subset of ppts only)	Serum	N/A†	N/A†	N/A	4.33-4.90%
Triglycerides		0.968	2.3%	153	1.22-1.26%
TSH		0.971	4.7%	129	4.70-5.60%

†No blind duplicate samples run

\* analytical coefficient of variation, based on long-term repeated measures of healthy individuals.

\*\* This assay is an immuno-radiometric assay requiring a precipitation step. The CV for the normal range controls is 17.3%. As values extend to high or low values, the corresponding CV is greatly increased.